SONY

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VAIO

VGN-CS31S/R

Express Your Style

Your stylish multimedia companion in Spicy Red

VAIO Europe official website
http://www.vaio.eu/

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http://www.vaiopro.eu/

KEY FEATURES

- 14.1" X-black LCD for sharp images and vivid colours
- Enjoy multimedia with video chat webcam, AV touch controls and interactive features
- Efficient Intel® processor technology with powerful NVIDIA® graphics
- Edit pictures and create fun slideshows with Adobe® Photoshop® Elements

TECHNICAL SPECIFICATIONS

Operating System

Operating System	Genuine Windows Vista® Home Premium
Microsoft® Windows® Service Pack	1

Architecture

Platform	Intel® Centrino® processor technology
Chipset	Mobile Intel® PM45 Express Chipset

Colour

Cover colour	Spicy Red

CPU Section

Processor Name	Intel® Core™2 Duo Processor T6500, Supports Enhanced Intel SpeedStep® Technology
Processor Manufacturer	Intel®
Processor Speed (GHz)	2.1
L2 Cache (MB)	2
Frontside Bus (MHz)	800
Number of Cores	2

Memory

Memory Size (GB)	4
Memory Speed (MHz)	800
Memory Type	DDR2 SDRAM (2x2GB)
Max. Supported Memory (GB)	8
Max Memory Comment	A portion of the system memory over 3GB may not be available to the 32bit operating system

Drives

Hard Drive Capacity (GB)	320
Hard Drive Type	Serial ATA
Hard Drive Speed (rpm)	5400
Optical Drive Type	DVD+-RW/+-R DL/RAM
Optical Drive Fitting	Built-in

Drives Speed

Write	CD-R x24, CD-RW x24, DVD-R DL x6, DVD-R x8, DVD-RW x6, DVD+R DL x6, DVD+R x8, DVD+RW x8, DVD-RAM x5
Read	CD x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x8, DVD-R x8, DVD-RW x8, DVD+R DL x8, DVD+R x8, DVD+RW x8, DVD-RAM x5

Display

Screen Type	X-black LCD
Diagonal Size (in)	14.1
Resolution	1280 x 800
Aspect Ratio	16:10
Resolution Type	WXGA

Graphics

Graphic Card Name	NVIDIA® GeForce® 9300M GS GPU
Total Graphics Memory	Total available graphics memory of Approx.1510 MB with dedicated Video Memory of 256MB
Comments	* Total Available Graphics Memory refers to the Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size

Interfaces

4 Pin i.LINK™ (IEEE1394), 400 Mbps	1
DC in	1
Memory Stick™ Slot	1
Memory Stick™ Slot Type	Memory Stick™ Std / Duo, Memory Stick™ PRO Std / Duo, high speed data transfer
SD Card Slot	1
Audio out	1
Audio out Type(s)	Stereo Headphones/Speakers Jack
Microphone Jack (Stereo)	1
RJ-11 Direct Port (Modem)	1
RJ-45 Direct Port (Network)	1
USB Speed	High/Full/Low
USB Port (quantity)	3
USB Version	2.0
USB Connector Type	A
VGA Connector for Monitor	1
Express Card Slot	1
Express Card Slot Type	34mm

Connectivity

Built-in Modem	V.92/V.90
Integrated Wireless LAN	YES
Wireless LAN Max. Date Rate (Mbps)	300 (RX)/ 150 (TX)
Wireless LAN Range (m)	max. 100
Wireless LAN Type	802.11a/b/g/Draft n
Integrated Bluetooth (Version)	2.1 + EDR
Bluetooth Range (m)	10
Ethernet network	100 BASE-TX/10 BASE-T

Multimedia

Intel® High Definition Audio compatible	YES
Built-in Stereo Speakers	YES
Windows® Sound System Compatible	YES

Built-in Camera

Built-in 'Motion Eye' Digital Camera	YES
Frames per Second	max. 30
Image Sensor (Mega Pixels)	1.3
Motion Picture Function	YES
Motion Pictures max. Resolution (pixels)	1280x1024 (SXGA)

Keyboard Section

Touch Pad	1

Features

Special Buttons	Power button, Wireless switch, AV buttons, AV Mode, Capture
Auto Resolution	Plug and Display
Built-in Microphone	YES
Kensigton Lock	YES

Software

Solution Guide	Me & My VAIO
Audio	VAIO Music Box, Windows Media Player 11, SonicStage Mastering Studio 2.4
Video & TV	Picture Motion Browser,VAIO Content Importer / Exporter, WinDVD 8 for VAIO, DivX Player & Converter,VAIO Movie Story
Photo	Adobe Photoshop Elements 7, Picture Motion Browser, VAIO Movie Story
CD-DVD Burning	Easy Media Creator 10, Click to Disc/Editor
Home Network	VAIO Media Plus
Office Application	Adobe® Reader® 9, Adobe Standard 9, Microsoft® Office Trial 2007 (60 days Try & Buy)
Security & Other	McAfee® Internet Security Suite (with 60 days free virus update), VAIO Recovery Utility 2.6 - HDD recovery (hidden partition), Google software package

Supplied Accessories

AC Adaptor	YES
Battery	YES
Power Cord	YES

Dimensions

Depth Main Unit (mm)	245
Height Main Unit (min - max in mm)	29 - 39.8
Width Main Unit (mm)	335.8
Weight with Supplied Battery and Supplied Drive (kg)	2.6

Battery

Battery Type	Lithium-Ion battery (VGP-BPS13/S)
Battery Life (min)	160
Battery Charging Time (min)	210
Battery Life Disclaimer	Actual battery life will vary depending on your specific hardware and software configurations. Benchmark: MobileMark 2007

Guarantee

Months	12

OPTIONAL ACCESSORIES

VGP-MBL20/F

Ladies Tote Bag

VGP-BPS13A/S

Battery Pack for FW series

VGP-AC19V32

AC Adapter

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